

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 20 APR 2005

International Application No.
PCT/KR 02/02494

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: F25D 17/08 , F25D 25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: F25D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI , EPODOC , PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 02 150682 A (MITSUBISHI ELECTRIC CORP) 8 June 1990 (08.06.90) <i>abstract; fig. 1-3.</i>	1,22
A	JP 11 083300 A (MATSUSHITA REFRIG CO) 26 March 1999 (26.03.99) <i>abstract; fig.1-5.</i>	1,20
A	US 5918480 A (Nagata) 6 July 1999 (06.07.99) <i>abstract; fig. 1,2,27.</i>	1,6,22
A	GB 2079424 A (Thorn Domestic Appliances) 20 January 1982 (20.01.82) <i>the whole document.</i>	1
A	US 2267486 A (West) 23 December 1941 (23.12.41) <i>the whole document.</i>	1,20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

- Special categories of cited documents:
- „A“ document defining the general state of the art which is not considered to be of particular relevance
- „E“ earlier application or patent but published on or after the international filing date
- „L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- „O“ document referring to an oral disclosure, use, exhibition or other means
- „P“ document published prior to the international filing date but later than the priority date claimed

- „T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- „X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- „Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- „&“ document member of the same patent family

Date of the actual completion of the international search
2 April 2003 (02.04.2003)

Date of mailing of the international search report
23 April 2003 (23.04.2003)

Name and mailing address of the ISA/AT
Austrian Patent Office
Kohlmarkt 8-10; A-1014 Vienna
Facsimile No. 1/53424/535

Authorized officer
WITTMANN K.
Telephone No. 1/53424/380

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. application No.
PCT/KR 02/02494

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
GB	A1	2079424	20-01-1982	none	
GB	B2	2079424	07-11-1984		
JP	A2	2150682	08-06-1990	none	
JP	A2	11083300	26-03-1999	none	
US	A	2267486		none	
US	A	5918480	06-07-1999	CN	A 1138374 18-12-1996
				DE	C0 69524370 17-01-2002
				DE	T2 69524370 22-08-2002
				EP	A1 719994 03-07-1996
				EP	A4 719994 05-11-1997
				EP	B1 719994 05-12-2001
				JP	A2 8049960 20-02-1996
				JP	B2 3366120 14-01-2003
				KR	B1 201969 15-06-1999
				WO	A1 9604514 15-02-1996
				JP	A2 8145543 07-06-1996
				JP	A2 8145544 07-06-1996
				JP	B2 3366140 14-01-2003

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PALGE02420	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/KR 02/02494	International filing date (day/month/year) 30 December 2002 (30.12.2002)	(Earliest) Priority Date (day/month/year) 23 October 2002 (23.10.2002)
Applicant LG ELECTRONICS INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer-readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.: 3

☒ as suggested by the applicant.

☐ None of the figures.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 02/02494

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A vegetable room for a refrigerator includes: a vegetable box (20) disposed inside a refrigerator in which a cooling air supply unit is provided to circulate cooling air therein and a plurality of shelves (10) are provided, and having a receptacle space (5) for receiving food items therein opened upwardly; a box cover (30) for covering an opening side of the vegetable box (20) to close the receptacle space (5) of the vegetable box (20) and having a plurality of cooling air ventilating holes (31,41) formed at one side thereof to introduce cooling air into the vegetable box (20); a cover support unit (22) interposed between the box cover (30) and the shelf (10) to support the box cover at the shelf; a plurality of opening and closing members (33,43) for opening and closing the cooling air ventilating holes (31,41) of the box cover (30); and an operating unit (24) for operating the opening and closing members (33, 43) simultaneously.